

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2629.1003002	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/10775	International filing date (day/month/year) 21/04/2000	(Earliest) Priority Date (day/month/year) 23/04/1999
Applicant SHIVA BIOMEDICAL, LLC et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
 - contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

DIAGNOSIS OF HUMAN KIDNEY DISEASES

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

1 _____

None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/10775

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 6-32, 36-38
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 6-32, 36-38

Claims 6-32 and 36-38 are directed to a method of treatment of the human body.

Claims 6-32 and 36-38 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 39.1 (iv) PCT. Consequently, no international search report will be established with respect to the subject-mater of these claims (Article 17(2)(a)(i) PCT).

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/US 00/10775

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, Y	WO 00 13706 A (FIBROGEN INC ; HENRY FORD HOSPITAL AND MEDICA (US)) 16 March 2000 (2000-03-16) claims 14-18 ---	1-5, 33-35
Y	WO 91 07956 A (KNOLL AG) 13 June 1991 (1991-06-13) example ---	1-5, 33-35
X	DE 40 08 323 A (KNOLL AG) 19 September 1991 (1991-09-19) see example ---	1-5, 33-35
X	WO 94 01770 A (SHAPIRO SVETLANA BORISOVNA ; ALEXANDROVSKAYA TAMARA NIKOLAE (RU); V) 20 January 1994 (1994-01-20) SEE ENGLISH ABSTRACT ---	1-5, 33-35
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

31 August 2000

Date of mailing of the international search report

15.09.00

Name and mailing address of the ISA

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Authorized officer

INTERNATIONAL SEARCH REPORT

Invention Application No

PCT/US 00/10775

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ZHA-LONG WU AND MARK S. PALLER: "IRON LOADING ENHANCES SUSCEPTIBILITY TO RENAL ISCHEMIA IN RATS" RENAL FAILURE, vol. 16, no. 4, 1994, pages 471-480, XP000916923 ABSTRACT ---	1-5, 33-35
Y	BALIGGA RADHAKRISHNA ET AL: "IN VITRO AND IN VIVO EVIDENCE SUGGESTING A ROLE FOR IRON IN CISTAPLIN-INDUCED NEPHROTOXICITY" KIDNEY INTERNATIONAL, vol. 53, no. 2, February 1998 (1998-02), pages 394-401, XP000916879 ABSTRACT ---	1-5, 33-35
Y	HARRIS DAVID C H AND TAY YUET-CHING: "MITOCHONDRIAL FUNCTION IN RAT RENAL CORTEX IN RESPONSE TO PROTEINURIA AND IRON" CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, vol. 24, December 1997 (1997-12), pages 916-922, XP000916876 AUSTRALIA SUMMARY, PAGE 918 -----	1-5, 33-35

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/10775

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0013706	A	16-03-2000	AU	6138799 A		27-03-2000
WO 9107956	A	13-06-1991	US	5039709 A		13-08-1991
			AU	6897391 A		26-06-1991
DE 4008323	A	19-09-1991	CA	2038228 A		16-09-1991
			EP	0449009 A		02-10-1991
			JP	4270221 A		25-09-1992
WO 9401770	A	20-01-1994	RU	2038598 C		27-06-1995